

Date: Wed, 29 Jun 94 04:30:16 PDT  
From: Ham-Policy Mailing List and Newsgroup <ham-policy@ucsd.edu>  
Errors-To: Ham-Policy-Errors@UCSD.Edu  
Reply-To: Ham-Policy@UCSD.Edu  
Precedence: Bulk  
Subject: Ham-Policy Digest V94 #288  
To: Ham-Policy

Ham-Policy Digest                      Wed, 29 Jun 94                      Volume 94 : Issue    288

Today's Topics:

                    900Mhz Part 15 (3 msgs)  
                    Existing regulations limit our advancement.  
                    Question about Radar Jam  
                    Questions about Radar Jamming

Send Replies or notes for publication to: <Ham-Policy@UCSD.Edu>  
Send subscription requests to: <Ham-Policy-REQUEST@UCSD.Edu>  
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Ham-Policy Digest are available  
(by FTP only) from UCSD.Edu in directory "mailarchives/ham-policy".

We trust that readers are intelligent enough to realize that all text  
herein consists of personal comments and does not represent the official  
policies or positions of any party. Your mileage may vary. So there.

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Date: 28 Jun 1994 10:56:41 GMT  
From: ihnp4.ucsd.edu!agate!usenet.ins.cwru.edu!news.ysu.edu!yfn.ysu.edu!  
ae674@network.ucsd.edu  
Subject: 900Mhz Part 15  
To: ham-policy@ucsd.edu

I'm interested in using the 902-928 Mhz band. Specifically, using it part 15.  
I understand that as a ham I can transmit high power levels but I'm more  
intrigued in not having the restrictions that go with the amateur service.  
I think it's pretty cool that I could communicate either 1 way or 2 way with  
anyone. What are the rules concerning building your own part 15 equipment??

If anyone has any experience with this band I would appreciate hearing from  
you. The 1 watt ERP limit, for many applications is all the power you would  
need. A 1/2 watt transmitter right into jpole antenna on top of a tall build-  
ing would give great coverage. It might not penetrate to the depths of the con-  
crete canyons. But it would be fine for any line of sight work with reasonable  
receive antennas. Now if there were just some 1/2 watt 900Mhz HTs for sale.  
Imagine a part 15 900Mhz repeater!! - you wouldn't even need an IDer.

There are so many possibilities. Over a year ago a company that makes spread spectrum radios advertised one of there radios in a ham magazine. The spread spectrum radio was a part 15 unit operating in the 902-928Mhz range at 128kbps. They claimed 1 watt of RF power and in the picture was a radio with a little duck antenna. If you used a halfwave antenna that would put you over 1 watt ERP. Are there some forms of spread spectrum that are allowed slightly higher output powers because of there wide band nature? I know that the wavelan cards put out a 1/4 watt of RF. It's very easy to exceed 1 watt ERP with any directional antenna. Many of the things I'm interested in doing would operate right on edge of legality. Would the FCC require field strength measurements in order to take into account things like the tower acting like a reflector? From what I gather the 1 watt ERP limit may not be strictly enforced but you don't want to be the one who is made the example of, especially if its not ham compatible.

Reid Savage N9SYW  
Internet ae674@yfn.ysu.edu

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Reid Savage N9syw  
4015 Hiawatha Dr.  
Madison,WI 53711  
(608)-238-9870

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Date: Tue, 28 Jun 1994 20:32:44 GMT  
From: ihnp4.ucsd.edu!swrinde!gatech!newsxfer.itd.umich.edu!zip.eecs.umich.edu!  
yeshua.marcam.com!news.kei.com!wang!dbushong@network.ucsd.edu  
Subject: 900Mhz Part 15  
To: ham-policy@ucsd.edu

ae674@yfn.ysu.edu (Reid Savage) writes:

>I'm interested in using the 902-928 Mhz band. Specificly, using it part 15.  
>I understand that as a ham I can transmit high power levels but I'm more  
>intrigued in not having the restrictions that go with the amateur service.  
>I think it's pretty cool that I could communicate either 1 way or 2 way with  
>anyone. What are the rules concerning building your own part 15 equipment??

Could you post a summary of what you find out? I agree - this could be a lot of fun!

Dave, KZ10

--

Dave Bushong, Wang Laboratories, Inc.

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Date: Tue, 28 Jun 1994 23:05:42 GMT

From: news.Hawaii.Edu!kahuna!jeffrey@ames.arpa  
Subject: 900Mhz Part 15  
To: ham-policy@ucsd.edu

ae674@yfn.ysu.edu (Reid Savage) writes:

> What are the rules concerning building your own part 15 equipment??

They are as close as your nearest library containing a government documents depository. LTURTEUNTIDIFY!

Jeff NH6IL

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Date: 29 Jun 1994 01:48:51 GMT  
From: ihnp4.ucsd.edu!agate!cat.cis.Brown.EDU!pstc3.pstc.brown.edu!  
md@network.ucsd.edu  
Subject: Existing regulations limit our advancement.  
To: ham-policy@ucsd.edu

rwilkins@ccnet.com (Bob Wilkins n6fri) writes:

> Show me the gray area of the law that allows a third party to  
> automatically control an amateur repeater station.

a 3rd party isn't automatically controlling a repeater station during a reverse patch. the repeater is simply responding to an external stimuli (voltage fluctuation on a wall outlet) with a ringing sound over the air. this is no different that if I put up an external alarm that triggered when the repeater cabinet door opened.]

if someone decides to answer the phone on the air, then you've basically established a routine autopatch.

do you have any cases where the fcc has cited someone for operating a reverse patch?

md

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-- Michael P. Deignan  
-- Amalgamated Baby Seal Poachers Union, Local 101  
-- "Get 'The Club'... Endorsed by Baby Seal poachers everywhere..."

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Date: Tue, 28 Jun 1994 10:56:20 GMT



Hmmmm.... I've only driven close to my IQ (in MPH) a few times. On my 1100cc Honda, up I-5 by Bakersfield. But, without a fairing, the bike topped out at almost 150MPH and it wasn't very comfortable with my helmet trying to blow off, so I never quite exceeded my IQ. You sure get places fast at this kind of speed.

Admittedly, this isn't a rec.radio.amateur.policy topic, so please note the Followup-to: line above.

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\* Dana H. Myers KK6JQ, DoD#: j | Views expressed here are  
\*  
\* (310) 348-6043 | mine and do not necessarily \*  
\* Dana.Myers@West.Sun.Com | reflect those of my employer  
\*  
\* This Extra supports the abolition of the 13 and 20 WPM tests \*

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Date: Tue, 28 Jun 94 15:07:47 -0500  
From: ihnp4.ucsd.edu!library.ucla.edu!europa.eng.gtefsd.com!  
howland.reston.ans.net!noc.near.net!news.delphi.com!usenet@network.ucsd.edu  
To: ham-policy@ucsd.edu

References <CrtHtw.E1p@world.std.com>, <2ub063\$d0d@ccnet.ccnet.com>,  
<Cs2BC5.FMM@eecs.nwu.edu>, i  
Subject : Re: Existing regulations limit our advancement.

H. Peter Anvin <hpa@solo.eecs.nwu.edu> writes:

> "Reverse autopatch for N9ITP this is WB9AET repeater"

Sounds like a classic example of a transmission by one amateur station intended to be received by one other specific station. The only difference is that the transmission is sent automatically rather than by a (human) control operator.

-- Ed Ellers, KD4AWQ

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Date: Tue, 28 Jun 1994 13:52:22 GMT  
From: ihnp4.ucsd.edu!swrinde!gatech!cs.utk.edu!stc06.CTD.ORNL.GOV!  
xdepc.eng.ornl.gov!wyn@network.ucsd.edu  
To: ham-policy@ucsd.edu

References <1994Jun21.192916.6620@auc.trw.com>,  
<1994Jun27.044125.121874@zeus.aix.calpoly.edu>,  
<1994Jun27.162718.24985@ke4zv.atl.ga.us>



:  
: Sounds like a classic example of a transmission by one amateur station intended  
: to be received by one other specific station. The only difference is that the  
: transmission is sent automatically rather than by a (human) control operator.  
:  
: -- Ed Ellers, KD4AWQ

Show me the gray area of the law that allows a third party to  
automatically control an amateur repeater station.

Bob

--  
Bob Wilkins work bwilkins@cave.org  
Berkeley, California home rwilkins@ccnet.com  
94701-0710 play n6fri@n6eeg.#nocal.ca.usa.noam

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Date: Tue, 28 Jun 1994 20:48:40 GMT  
From: news.Hawaii.Edu!kahuna!jeffrey@ames.arpa  
To: ham-policy@ucsd.edu

References <354@ted.win.net>, <1994Jun27.154236.24814@ke4zv.atl.ga.us>,  
<358@ted.win.net>  
Subject : Re: CW...hear, touch, simplicity

In article <1994Jun27.154236.24814@ke4zv.atl.ga.us>, Gary Coffman  
(gary@ke4zv.atl.ga.us) writes:

>

>the very early days, all amateur equipment had to be homebrew, but most  
>amateurs merely copied circuits out of magazines like Home Amateur Mechanic  
>(hence HAM). Very few actually designed their own circuits, or even fully  
>understood the circuits that they copied.

I wish it was this easy. Winding inductors and determining their  
inductance can take hours of trial and error work: trying various  
coil forms of different diameters and spacing of turns isn't 'copying  
from a magazine'. I've had to fabricate my own variable capacitors -  
I wouldn't call that 'copying from a magazine'. I build my own ladder-  
line but I guess you would call that 'copying from the Antenna  
Handbook'. Substituting a transistor sometimes calls for reworking  
the design - again, I wouldn't call that 'copying from a magazine'.

The QRP and Boatanchors email newsgroups each contain many of hundreds  
of builders who don't just 'copy from a magazine', and remember that

